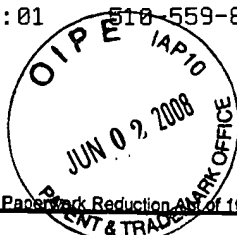
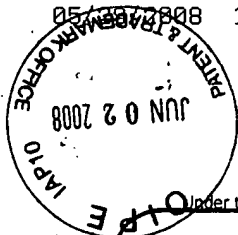


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TRANSMITTAL FORM

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Total Number of Pages in This Submission

Application Number 10/573,944

Filing Date

First Named Inventor Judith A. Varner

Art Unit

Examiner Name

Attorney Docket Number UCSD-10834

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney; Revocation	<input type="checkbox"/> Status Letter
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<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
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<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Medlen & Carroll LLP		
Signature	<i>Mahattamandan</i>		
Printed name	Maha A. Hamdan		
Date	May 29, 2008	Reg. No.	43,655

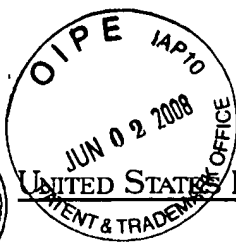
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I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	<i>Cliff Cannon-Clin</i>		
Typed or printed name	Cliff Cannon-Clin	Date	May 29, 2008

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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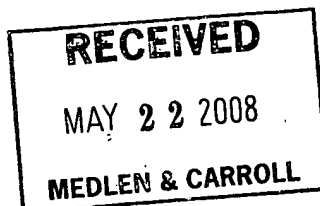
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U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/573,944	Judith A. VARNER	UCSD-10834

23535
MEDLEN & CARROLL, LLP
101 HOWARD STREET
SUITE 350
SAN FRANCISCO, CA 94105

INTERNATIONAL APPLICATION NO.	
PCT/US04/31825	
I.A. FILING DATE	PRIORITY DATE
09/28/2004	09/29/2003



CONFIRMATION NO. 2052
371 FORMALITIES LETTER



Date Mailed: 05/20/2008

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated Office (37 CFR 1.494):

- Indication of Small Entity Status
- Priority Document
- Copy of the International Application filed on 03/29/2006
- Copy of the International Search Report filed on 03/29/2006
- Preliminary Amendments filed on 03/14/2007
- Biochemical Sequence Diskette filed on 03/14/2007
- Oath or Declaration filed on 03/14/2007
- Biochemical Sequence Listing filed on 03/14/2007
- U.S. Basic National Fees filed on 03/29/2006
- Power of Attorney filed on 03/14/2007
- Specification filed on 03/29/2006
- Claims filed on 03/29/2006
- Drawings filed on 03/29/2006

Resp. 6/20/08 rco

Applicant's response filed 03/14/2007 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 02/16/2007 have not been completed.

- The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d). Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). If applicant desires the sequence listing in the instant application to be identical with that of another application on file in the U.S. Patent and Trademark Office, such request in accordance with 37 CFR 1.821(e) may be submitted in lieu of a new CRF. Refer to attachment or PAIR document dated see report dated 09/20/2007.

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- **For Rules Interpretation, call (571) 272-0951**
- **For Patentin Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.**
- **Send e-mail correspondence for Patentin Software Program Help @ ebc@uspto.gov**

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.

<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

FRANCINE YOUNG

Telephone: (703) 308-9140 EXT 215



PATENT
Attorney Docket No.: UCSD-10834

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: VARNER, Judith A.
Serial No.: 10/573,944
371(c) Filing Date:
Entitled:

Group No.:
Examiner:

**Methods for Altering Hematopoietic Progenitor Cell Adhesion,
Differentiation, and Migration**

**RESPONSE TO NOTIFICATION OF DEFECTIVE RESPONSE
MAILED MAY 20, 2008**

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
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CERTIFICATE OF MAILING UNDER 37 CFR § 1.8(a)(1)(i)(A)	
I hereby certify that this correspondence (along with any referred to as being attached or enclosed) is, on the date shown below, being deposited with the U.S. Postal Service with sufficient postage as first-class mail in an envelope addressed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Date: <u>5/29/08</u>	By: <u>[Signature]</u> Cliff Cannon-Cin

Sir or Madam:

This is responsive to the "NOTIFICATION OF DEFECTIVE RESPONSE," issued May 20, 2008 and setting a one-month period for response which ends on June 20, 2008.

Applicants submit this substitute computer readable form to replace the damaged and/or unreadable one filed March 12, 2007. The content of the Sequence Listing recorded on the substitute computer readable form is identical to the paper Sequence Listing filed March 12, 2007. As such, Applicants submit that no new matter has been introduced.

Date: May 29, 2008

By: Mahattandan
Maha A. Hamdan
Registration No. 43,655

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San Francisco, California 94105
608.218.6900